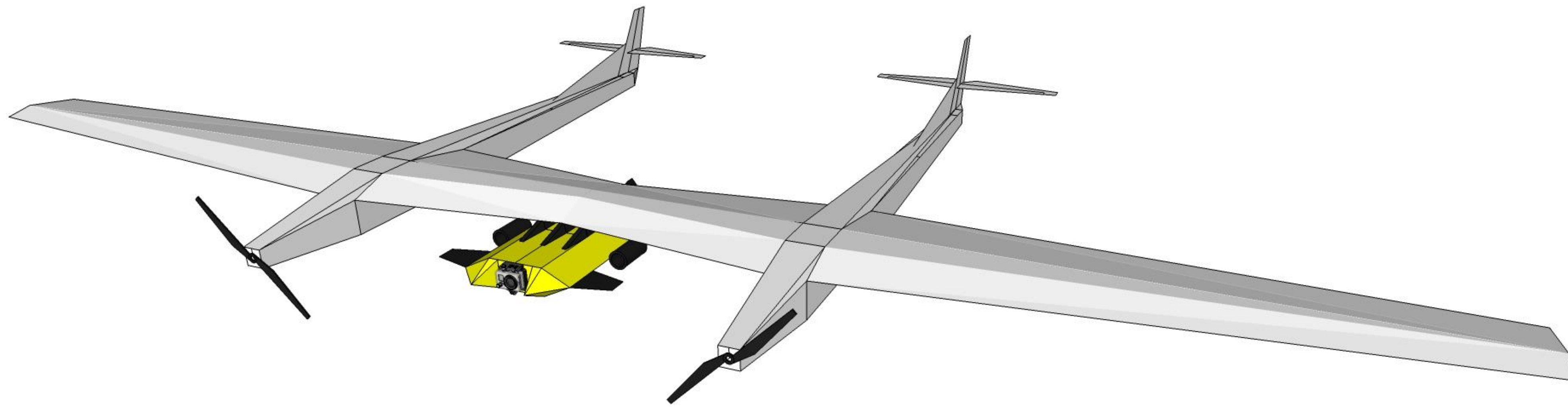


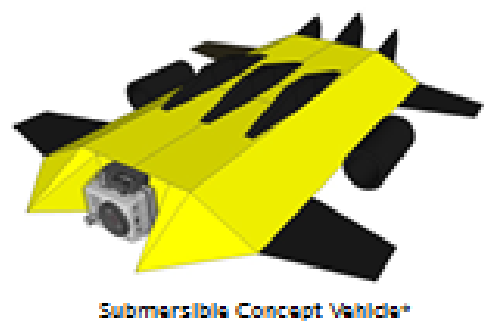
-AERIAL AQUATICS-



“We’re building a tool for exploration that will open up new possibilities through the combination of aeronautical mobility with the exploratory capabilities and implications of a submersible robot all in one convenient package...”

Air & Water: Combined

- ▶ Submersible Sub-System Utilizing Aerial Mothership
 - Submersible Robot
 - Carrier Aircraft
- ▶ Tethered Operations
 - Minimal Latency
- ▶ Extensive Range
 - Freedom of Flight
- ▶ Unprecedented Access
 - Remote Lakes
 - Inaccessible Locations



Operations

- ▶ Land Based
 - Landing & Take Off
- ▶ Water Landing & Take Off
- ▶ Submersible Robot Deployment
 - Winch Mechanism
 - Geometric Docking System
- ▶ Control & Data
 - Wired Sub-water
 - Aircraft Data Relay Point

Proof of Concept & Variants of the Configuration

- ▶ Fixed Wing
- ▶ Semi-Submersible
 - Submersible Camera Carriage System
- ▶ Aquatic Quad/VTOL
 - Submersible Camera Carriage
 - Independently Maneuverable Robotic Sub-System



Project Status

- ▶ Aquatic Quad
 - Flight Testing Complete
 - Submersible Camera Carriage Complete
 - Integrated Testing to Come
- ▶ Fixed Wing Variant
 - Airframe Under Construction
 - OpenROV v2.6 Submersible
 - Flight Testing as early as May, 2014



TEAM

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